

What is claimed is:

[Claim 1] 1. A protection and finish structure of a boat hull with simplified assembly, of the type comprising a profile extended in a longitudinal direction and a plurality of fixing means, for fixing the profile to the hull, distributed along said profile, the protection structure comprising a fast clutch with a tenon and mortise joint wherein a tenon element, fixed to said profile, and a mortise element, adapted for being fixed to the hull, have respective tenons and mortises being mutually engaged in a manner that allows the profile to slide with respect to the hull in the longitudinal direction.

[Claim 2] 2. The protection structure according to claim 1, further comprising a base, longitudinally extended and intended for being fixed to the hull and fixing means for fixing the mortise element to the base.

[Claim 3] 3. The protection structure according to claim 2 wherein the tenon of the tenon element and the mortise of the mortise element can be mutually coupled by pressure in a direction perpendicular to the longitudinal direction.

[Claim 4] 4. The protection structure according to claim 3 wherein the tenon has a section with saw-tooth shaped sides and the mortise has a section with saw-tooth shaped sides, substantially conjugated to the section of the tenon.

[Claim 5] 5. The protection structure according to claim 4 wherein the tenon element is a substantially parallelepiped block being longitudinally extended for a predetermined and limited length.

[Claim 6] 6. The protection structure according to claim 5 wherein said substantially parallelepiped block comprises a material shortage for housing a nut for a stud for fixing the tenon element to an inner surface of said profile.

[Claim 7] 7. The protection structure according to claim 5 wherein the mortise element is a crop of a substantially C-like section being longitudinally extended for a predetermined and limited length.

[Claim 8] 8. The protection structure according to claim 7 wherein said crop of a substantially C-like section comprises a hole for the passage of a fixing screw of the crop to said base.

[Claim 9] 9. The protection structure according to claim 2 wherein said base has an extruded profile having an arch of predetermined width conjugated with the curve of the inner surface of the profile, and adjacent arch-like portions configured to function as extension of the profile, a step being formed between said two adjacent portions having height roughly equal to the thickness of the profile.

[Claim 10] 10. The protection structure according to claim 2 wherein the base comprises a longitudinal groove for embedding the mortise element.

[Claim 11] 11. The protection structure according to claim 2 wherein the tenon element has an end surface with predetermined curve conjugated with the curve of the inner surface of the profile.

[Claim 12] 12. The protection structure according to claim 2 wherein said base is made of a thermoformed material and preferably a PVC.

[Claim 13] 13. A protection structure for the border of a boat hull, comprising:

a profile extended in a longitudinal direction;
a plurality of fixing means for fixing the profile to the hull, said means being distributed along said profile and each comprising:
at least a fast clutch with a tenon and mortise joint including a tenon element, fixed to one of said profile and mortise elements, and the other of said tenon and mortise elements, being adapted to be fixed to the hull; said tenon element and said mortise element being mutually engaged in a longitudinally sliding way thus obtaining a simplified assembly of the protection structure.

[Claim 14] 14. The protection structure according to claim 13, further comprising a base, longitudinally extended and intended for being fixed to the hull and fixing means for fixing the other of said tenon and mortise element to the base.

[Claim 15] 15. The protection structure according to claim 14 wherein the tenon element includes a tenon and the mortise element includes a mortise that can be mutually coupled, by pressure, in a direction being perpendicular to their longitudinal direction.

[Claim 16] 16. The protection structure according to claim 15 wherein said tenon has a section with saw-tooth shaped sides and said mortise has a section with saw-tooth shaped sides, substantially conjugated to the section of the tenon.

[Claim 17] 17. The protection structure according to claim 16 wherein the tenon element is a substantially parallelepiped block being longitudinally extended for a predetermined and limited length.

[Claim 18] 18. The protection structure according to claim 17 wherein said substantially parallelepiped block comprises a material shortage for housing a nut for a stud for fixing the tenon element to an inner surface of said profile.

[Claim 19] 19. The protection structure according to claim 17 wherein the mortise element is a crop of a substantially C-like section being longitudinally extended for a predetermined and limited length.

[Claim 20] 20. The protection structure according to claim 19 wherein said crop of a substantially C-like section comprises a hole for the passage of a fixing screw of the crop to said base.

[Claim 21] 21. The protection structure according to claim 14 wherein said base has an extruded profile having an arch of predetermined width conjugated with the curve of the inner surface of the profile, and adjacent arch-like portions as extension of the profile, a step being formed between said two adjacent portions having height equal to the thickness of the profile.

[Claim 22] 22. The protection structure according to claim 14 wherein said base comprises a longitudinal groove for embedding the mortise element.

[Claim 23] 23. The protection structure according to claim 14 wherein the tenon element has an end surface with predetermined curve conjugated with the curve of the inner surface of the profile.

[Claim 24] 24. The protection structure according to claim 14 wherein said base is made of a thermoformed material and preferably a PVC.

[Claim 25] 25. A support base for a finish profile intended for being fixed to the border of a boat hull, characterized in that it comprises a central and longitudinal groove for housing a coupling element with fast clutch according to claim 1.

[Claim 26] 26. A finish profile of stainless steel, of the type intended for being fixed to the border of a boat hull, characterized in that it comprises a surface at sight being continuous and an opposite inner surface provided with a coupling element with fast clutch according to claim 1.